

## Patent Abstracts of Japan

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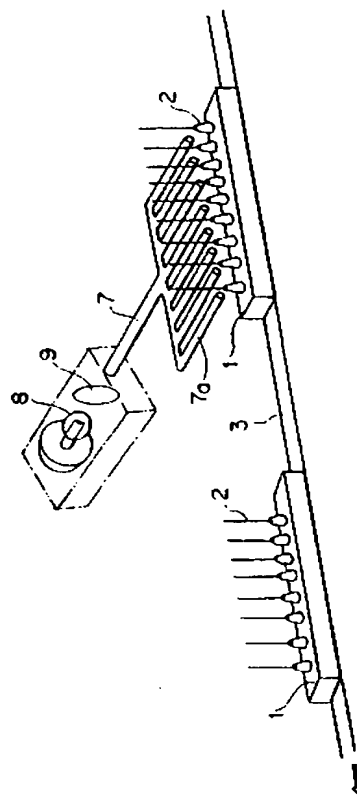
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TITLE : RESIN-CURING PROCESS



**ABSTRACT :** PURPOSE: To cure a specified resin, under giving almost no effect to other parts by spot-radiating the ultraviolet ray generated in a light source onto the injecting part of the adhering resin in a needle base through a light fiber.

CONSTITUTION: A needle base 5 is fitted to the rear end of a needle tube 4, and adhering resin 6 is injected into the inserting opening of the needle tube. When these needles 2 are erected on a supporting jig 1 and placed on a conveyer 3 and then moved to the position of the optical fiber in a curing device, it is detected, for instance, by a sensor and is automatically set at a specified position. When an ultraviolet ray lamp 8 is set to ON, the ultraviolet ray is sent to the light fiber 7 by way of a light gathering lens 9, and effective curing treatment may be achieved. Because the radiation to the needle base or the supporting jig, etc. is reduced, the occurrence of the aging and crack, etc. there of may be prevented, and the quality of the resin is improved.

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